

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frank L. Hall

Serial No.: 10/791,194

Filed: March 2, 2004

For: METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF

A LASER

Confirmation No.: 1948

Examiner: S. Heinrich

Group Art Unit: 1725

Attorney Docket No.: 2269-4718.2US

(00-0316.02/US)

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2). The listed documents were cited by the Office in co-pending application Serial No. 10/791,190, filed on March 2, 2004, and directed to a related invention.

Serial No. 10/791,194

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

U.S. Patent No.	Publication Date	<u>Patentee</u>
US - 3,767,304	10/1973	Keenan et al.
US - 5,352,107	10/1994	Oh
US - 6,456,951	09/2002	Maeda et al.
US - 6,465,743	10/2002	Owens
US - 6,825,924	11/2004	Uda et al.

Foreign Patent Documents

Document No.	Publication Date	<u>Patentee</u>
JP 56-133834 A	10/1981	OKI Electric Ind. Co.
JP 04-113663 A	04/1992	Ibiden Co. Ltd.
JP 07-176555 A	07/1995	NEC Corp.
JP 10-051151 A	02/1998	Ibiden Co. Ltd.
JP 2001-030290 A	02/2001	Nissha Printing Co.

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application, and therefore no additional fee is due.

Respectfully submitted,

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Date: July 19, 2006

JRD/ps:lmh

Enclosures: Form PTO/SB/08

Cited Non-U.S. Patent Documents

Document in ProLaw

PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Substitute for form 1449A/PTO

Sheet

	Complete if Known
Application Number	10/791,194
Filing Date	March 2, 2004
First Named Inventor	Frank L. Hall
Group Art Unit	1725
Examiner Name	S. Heinrich
Attorney Docket Number	2269-4718.2US (00-0316.02/US)

	.	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant	
Examiner Cite No.1				Cited Document	Passages or Relevant Figures Appear	
		US-3,767,304	10/1973	Keenan et al.		
		US- 5,352,107	10/1994	Oh		
		US- 6,456,951	09/2002	Maeda et al.		
		US- 6,465,743	10/2002	Owens		
	1	US- 6,825,924	11/2004	Uda et al.		
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Examiner Cite Initials* No.1	Cite	Foreign Patent Document		Name of Patentee or Applicant of Cited	Pages, Columns, Lines,	
		Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Document Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
		JP 56-133834 A	10/1981	OKI Electric Ind. Co.		X
		JP 04-113663 A	04/1992	Ibiden Co. Ltd.		X
		JP 07-176555 A	07/1995	NEC Corp.		X
		JP 10-051151 A	02/1998	Ibiden Co. Ltd.		X
		JP 2001-030290 A	02/2001	Nissha Printing Co.		X
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Examiner Signature	Date Considered		_	

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.